

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PCT-RI-108	FOR FURTHER ACTION		See item 4 below
International application No. PCT/JP2005/000294	International filing date (<i>day/month/year</i>) 13 January 2005 (13.01.2005)	Priority date (<i>day/month/year</i>) 13 January 2004 (13.01.2004)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant RIGHT MFG, CO., LTD.			

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).		
2.	This REPORT consists of a total of 5 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.		
3.	This report contains indications relating to the following items:		
	<input checked="" type="checkbox"/> Box No. I	Basis of the report	
	<input type="checkbox"/> Box No. II	Priority	
	<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	
	<input type="checkbox"/> Box No. IV	Lack of unity of invention	
	<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
	<input type="checkbox"/> Box No. VI	Certain documents cited	
	<input type="checkbox"/> Box No. VII	Certain defects in the international application	
	<input type="checkbox"/> Box No. VIII	Certain observations on the international application	
4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Date of issuance of this report 22 August 2006 (22.08.2006)
	Authorized officer Masashi Honda e-mail: pt08@wipo.int

PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:		<p>FOR FURTHER ACTION</p> <p>See paragraph 2 below</p>	
Applicant's or agent's file reference PCT-RI-108		Date of mailing (day/month/year)	
International application No. PCT/JP2005/000294	International filing date (day/month/year) 13.01.2005	Priority date (day/month/year) 13.01.2004	
International Patent Classification (IPC) or both national classification and IPC			
Applicant RIGHT MFG, CO., LTD.			

<p>1. This opinion contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 5%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 25%;">Box No. I</td> <td>Basis of the opinion</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>		<input checked="" type="checkbox"/>	Box No. I	Basis of the opinion	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																							
<p>2. FURTHER ACTION</p> <p>If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.</p> <p>If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.</p> <p>For further options, see Form PCT/ISA/220.</p>																									
<p>3. For further details, see notes to Form PCT/ISA/220.</p>																									

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/000294

Box No. 1

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-22	YES
	Claims		NO
Inventive step (IS)	Claims	20	YES
	Claims	1-19, 21, 22	NO
Industrial applicability (IA)	Claims	1-22	YES
	Claims		NO
2. Citations and explanations:			
<p>Document 1: JP, 7-204284, A (Hitachi Medical Corp.), 8 August, 1995 (08.08.95), paragraph [0012] and Fig. 3</p> <p>Document 2: JP, 2002-355242, A (GE Medical Systems Global Technology Co., Ltd.), 10 December, 2002 (10.12.02), paragraph [0014] and Fig. 4</p> <p>Document 3: JP, 2002-242968, A (Honda Motor Co., Ltd.), 28 August, 2002 (28.08.02), paragraph [0032], and Figs. 3 and 4</p> <p>Document 4: JP, 62-136338, A (Daihatsu Motor Co., Ltd.), 19 June, 1987 (19.06.87), full text and all drawings</p> <p>Document 5: JP, 3-143455, A (Toshiba Corp.), 19 June, 1991 (19.06.91), line 14, lower left column, page 4 to line 2, and lower right column</p> <p>Document 6: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 85175/1983 (Laid-open No. 191869/1984), 19 December, 1984 (19.12.84), full text and all drawings (Family: none)</p> <p>Document 7: JP, 2002-186677, A (Toshiba Corp.), 2 July, 2002 (02.07.02), paragraph [0021] and Fig. 2</p> <p>Document 8: JP, 7-10282, B2 (Mitsubishi Electric Corp.), 8 February, 1995 (08.02.95), line 39, right column, page 2 to line 3, left column, page 3, and Fig. 7</p> <p>Claims 1, 8, 9, 18, 19, 21 and 22</p> <p>Document 1 describes a device for limiting the field on which radiation is irradiated to the desired area by means of aperture blades arranged in the thickness direction.</p> <p>Document 2 describes a technique for providing a device for limiting the field on which radiation is irradiated with (1) a flexible linear member fixed to a thickness section of aperture blades and (2) a drive section where the linear member is driven.</p> <p>Claim 2, 7 and 10</p> <p>Document 3 describes a drive section consisting of (1) a drive shaft and (2) a moving element which moves in the direction of the axis of the drive shaft as the drive shaft rotates and to which a linear member is connected.</p> <p>Claims 3, 4 and 6</p> <p>Document 4 describes a technique for providing a torque control section and a clutch mechanism.</p> <p>Document 5 describes a technique for providing a position-detecting section where the position of aperture blades is detected.</p> <p>Claim 11</p>			

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Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
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Document 6 describes a technique for providing an absolute position sensor and a relative position sensor.

Claim 12-15

Document 7 describes a technique for arranging aperture blades through a moving element.

Document 8 describes a technique for projecting the side face of an aperture blade in the thickness direction. It is what a person skilled in the art could have easily carried out to hold a moving body by means of a portion projecting in the thickness direction.

Claims 16 and 17

Document 8 describes a technique for providing a screening section where radiation is screened to an opening between adjacent aperture blades.